

Title (en)  
FUSIBLE SWITCHING DISCONNECT MODULES AND DEVICES WITH IN-LINE CURRENT DETECTION

Title (de)  
ELEKTRONISCH GESTEUERTE SCHMELZSICHERUNGSSCHALTMODULE UND VORRICHTUNGEN ZUR ERFASSUNG DES STROMES IM STROMPFAD

Title (fr)  
MODULES ET DISPOSITIFS DE DÉCONNEXION D'INTERRUPTEURS À FUSIBLES AVEC UNE DÉTECTION DE COURANT EN LIGNE

Publication  
**EP 2666175 B1 20160810 (EN)**

Application  
**EP 12702084 A 20120106**

Priority  
• US 201113008950 A 20110119  
• US 2012020453 W 20120106

Abstract (en)  
[origin: EP3098825A1] A fusible switch disconnect device includes a housing adapted to receive a fuse therein, and switchable contacts for connecting the fuse to circuitry. Line side and load side terminals in the housing electrically connect to the fuse when the fuse is received and engaged with the housing. A current detecting element is configured to detect current flow through the switchable contacts when the switchable contacts are in a closed position. A disconnect mechanism is operable in a first mode and a second mode to displace the switchable contacts. The first mode is manually operated and the second mode is responsive to an actual electrical circuit condition when the line side terminal is connected to energized line circuitry.

IPC 8 full level  
**H01H 9/10** (2006.01); **H01H 21/16** (2006.01); **H01H 71/12** (2006.01)

CPC (source: EP US)  
**H01H 1/20** (2013.01 - EP US); **H01H 9/10** (2013.01 - EP US); **H01H 9/104** (2013.01 - EP US); **H01H 9/282** (2013.01 - EP US); **H01H 21/16** (2013.01 - EP US); **H01H 71/04** (2013.01 - EP US); **H01H 71/08** (2013.01 - EP US); **H01H 71/123** (2013.01 - EP US); **H01H 71/125** (2013.01 - EP US); **H01H 71/20** (2013.01 - US); **H01H 83/12** (2013.01 - EP US); **H01H 9/102** (2013.01 - EP US); **H01H 83/10** (2013.01 - EP US); **H01H 83/20** (2013.01 - EP US); **H01H 85/0241** (2013.01 - EP US); **H01H 2071/0278** (2013.01 - EP US)

Citation (examination)  
• US 3599135 A 19710810 - GRYCTKO CARL E  
• US 3614697 A 19711019 - DUNHAM ROBERT W, et al

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

DOCDB simple family (publication)  
**EP 3098825 A1 20161130; EP 3098825 B1 20210407**; CA 2825415 A1 20120726; CA 2825415 C 20190430; EP 2666175 A1 20131127; EP 2666175 B1 20160810; ES 2592697 T3 20161201; ES 2874565 T3 20211105; MX 2013008229 A 20130812; US 11355299 B2 20220607; US 2016372291 A1 20161222; WO 2012099726 A1 20120726

DOCDB simple family (application)  
**EP 16177619 A 20120106**; CA 2825415 A 20120106; EP 12702084 A 20120106; ES 12702084 T 20120106; ES 16177619 T 20120106; MX 2013008229 A 20120106; US 2012020453 W 20120106; US 201615251479 A 20160830